

# Nanomedicine Major Requirements

**Freshman**

BIOL 1105/1115  
Principles of Biology

NANO 1015  
Intro to  
Nanoscience

CHEM 1035/1045  
General Chemistry

MATH 1025  
Elementary Calculus

**Sophomore**

BIOL 1106/1116  
Principles of Biology

NANO 1016  
Intro to  
Nanoscience

CHEM 1036/1046  
General Chemistry

MATH 1026  
Elementary Calculus

Note: BIOL 2134 and NEUR 3044  
are acceptable substitutions for  
BIOL 2124 and should be taken  
depending on which NMED  
restricted electives you choose.

NANO 2114  
Research Seminar

CHEM 2535/2545  
Organic Chemistry

PHYS 2205/2215  
General Physics

**Junior**

BIOL 2124  
Cell & Molecular  
Biology

NANO 3114  
Professional  
Dissemination of Nano  
Research

NANO 2324  
Quantum Physics  
for Nanomedicine

CHEM 2536/2546  
Organic Chemistry

NANO 3015  
Nanoscale Synthesis,  
Fabrication,  
& Characterization I

PHYS 2206/2216  
General Physics

+ 4 Credits of NANO 4994  
Undergraduate Research

NANO 3124  
Nanoscience and the  
Environment

Note: NANO 3124 also  
requires CHEM 1036.

**Senior**

+ 9 Credits of  
Restricted Electives  
(See your checksheet for a full list of  
courses to choose from.)

NANO 4324  
Intro to  
Nanomedicine

+ 4 Credits of NANO 4994  
Undergraduate Research

NANO 4334/4354  
Advanced  
Nanomedicine